

**VSMP GENERAL PERMIT REGISTRATION STATEMENT FOR STORMWATER DISCHARGES
FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS [VAR04]**

(Please Type or Print All Information)

(The applicable fee specified in Form DCR 199-145 must additionally be submitted to the address given in that form to obtain coverage)

1. Regulated Small MS4

Name: City of Lynchburg, Virginia

Type: ☒ City ☐ County ☐ Incorporated Town ☐ Unincorporated Town ☐ College or University
☐ Local School Board ☐ Military Installation ☐ Transport System ☐ Federal or State Facility ☐ Other

Location (County or City): City of Lynchburg, Virginia

2. Regulated Small MS4 Operator

Name: City of Lynchburg, Virginia

Address: 900 Church St.

City: Lynchburg State: VA Zip: 24504

3. Hydrologic Unit Code(s) as identified in the most recent version of Virginia's 6th Order National Watershed Boundary Dataset currently receiving discharges or that have potential to receive discharges from the regulated small MS4:

See attached documentation.

4. Attach a description of the estimated drainage area, in acres, served by the regulated small MS4 discharging to any impaired receiving surface waters listed in the most recent Virginia 305(b)/303(d) Water Quality Assessment Integrated Report, and a description of the land use of each such drainage area.

5. Any TMDL waste loads allocated to the regulated small MS4 (this information may be found at <http://www.deq.state.va.us/tmdl/develop.html>):

See attached documentation.

6. The name(s) of any regulated physically interconnected MS4s to which the regulated small MS4 discharges.

1) Virginia Department of Transportation (VDOT); 2) Central Virginia Community College (CVCC)

7. A copy of the MS4 Program Plan that includes:

a. A list of BMPs that the operator proposes to implement for each of the stormwater minimum control measures and their associated measurable goals pursuant to 4VAC50-60-1240, Section II B; that includes:

i. A list of the existing policies, ordinances, schedules, inspection forms, written procedures, and other documents necessary for BMP implementation; and

ii. The individual, department, division, or unit responsible for implementing the BMP;

b. The objective and expected results of each BMP in meeting the measurable goals of the stormwater minimum control measures;

c. The implementation schedule including any interim milestones for the implementation of a proposed new BMP; and

d. The method that will be utilized to determine the effectiveness of each BMP and the program as a whole.

8. List all existing signed agreements between the operator and any applicable third parties where the operator has entered into an agreement in order to implement minimum control measures or portions of minimum control measures.

Memorandum of Agreement between Robert E. Lee Soil and Water Conservation District and the City of Lynchburg, VA

9. The name, address, telephone number and e-mail address of either the principal executive officer or ranking elected official as defined in 4VAC50-60-370.

Mr. L. Kimball Payne - City Manager - City of Lynchburg, Virginia

900 Church Street -- Lynchburg, VA 24504

Telephone: 434.455.3990 -- e-mail address: city.manager@lynchburgva.gov

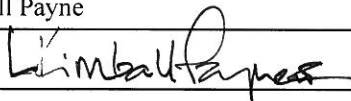
10. The name, position title, address, telephone number and e-mail address of any duly authorized representative as defined in 4VAC50-60-370.

11. **Certification:** "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Print Name: L. Kimball Payne

Title: City Manager

Signature:



Date:

2/29/08

For Department of Conservation and Recreation Use Only

Accepted/Not Accepted by: _____ Date: _____

Basin _____ Stream Class _____ Section _____ Special Standards _____

2009 NPDES REGISTRATION STATEMENT
VSMF GENERAL PERMIT REGISTRATION STATEMENT FOR STORMWATER
DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS

General Permit No.: VAR040008

City of Lynchburg, Virginia

Item No. 3

As requested in Form No. DCR 199-148, this attachment provides *Hydrologic Unit Code(s)* as identified in the most recent version of Virginia's 6th Order National Watershed Boundary Dataset currently receiving discharges or that have potential to receive discharges from the regulated small MS4:

Table 1. Receiving Waters with Hydraulic Unit Codes

INTID	VAHU6	HUC_12	ALB_ACRES	TALB_ACRES	STATES	HU_12_DS	HU_12_NAME
1078	JM07	020802030301	21316.4770371328	21316.4770371328	VA	020802030305	James River-Judith Creek
1087	JM09	020802030303	23945.9761583667	23945.9761583667	VA	020802030304	Ivy Creek-Cheese Creek
1091	JM10	020802030304	17965.4778423666	17965.4778423666	VA	020802030305	Blackwater Creek
1086	JM11	020802030305	25149.2623946732	25149.2623946732	VA	020802030401	James River-Opossum Creek

WATER NAME	MILES	LOCATION	AU_COMMENT	VAHU6
Blackwater Creek	10.3	Blackwater Creek mainstem from the confluence of Tomahawk and Burton Creeks downstream to the Blackwater Creek confluence on the James River.	WQS: Class III, Section 11, NoneTMDL ID: VAC-H03R-01 Station ID: 2-BKW000.40 (Ambient) Total Fecal Coliform - 4/7 Violation Rate 2-BKW005.95 (Ambient) E. coli - 2/9 Violation Rate	JM11
Blackwater Creek	10.3	Blackwater Creek mainstem from the confluence of Tomahawk and Burton Creeks downstream to the Blackwater Creek confluence on the James River.	WQS: Class III, Section 11, NoneTMDL ID: VAC-H03R-01 Station ID: 2-BKW000.40 (Ambient) Total Fecal Coliform - 4/7 Violation Rate 2-BKW005.95 (Ambient) E. coli - 2/9 Violation Rate	JM10
Burton Creek	3.5	Burton Creek from its headwaters to the confluence with Tomahawk Creek.	WQS: Class III, Section 11, NoneTMDL ID: VAC-H03R-05 Station ID: 2-BUN001.64 (Ambient) E. coli - 4/9 Violation Rate	JM10
Fishing Creek	5.4	Fishing Creek mainstem from its confluence with the James River upstream to its headwaters.	WQS: Class III, Section 11e, NoneTMDL ID: VAC-H03R-02 Station ID: 2-FSG000.85 (Ambient) Total Fecal Coliform - 6/19 Violation Rate	JM11
Ivy Creek	5.4	Ivy Creek mainstem from the mouth of Cheese Creek downstream to Ivy Creek's confluence with Blackwater Creek.	WQS: Class III, Section 11, NoneTMDL ID: VAC-H03R-03 Station ID: 2-IVA000.22 (Ambient) Total Fecal Coliform - 3/13 Violation Rate	JM09
Ivy Creek	5.4	Ivy Creek mainstem from the mouth of Cheese Creek downstream to Ivy Creek's confluence with Blackwater Creek.	WQS: Class III, Section 11, NoneTMDL ID: VAC-H03R-03 Station ID: 2-IVA000.22 (Ambient) Total Fecal Coliform - 3/13 Violation Rate	JM10

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James River	3.8	James River mainstem from the Business Route 29 bridge downstream to the mouth of Williams Run, the watershed boundary.	WQS: Class III, Section 11e, NoneTMDL ID: VAC-H03R-04Station ID: 2-JMS258.54 (Ambient & 2001 FT/Sed)Total Fecal Coliform - 12/31 Violation RateE. coli - 3/9 Violation RateTotal Phos - 6/37 Violation Rate - Observed EffectPCBs 4 Species	JM11
James River	4.1	James River mainstem from Reusens Dam downstream to Business Route 29.	WQS: Class III, Section 11g, PWSTMDL ID: VAC-H03R-04Station ID: 2-JMS258.54 (Ambient & 2001 FT/Sed)Total Fecal Coliform - 12/31 Violation RateE. coli - 3/9 Violation RateTotal Phos - 6/37 Violation Rate - Observed EffectPCBs 4 SpeciesTr	JM07
James River	4.1	James River mainstem from Reusens Dam downstream to Business Route 29.	WQS: Class III, Section 11g, PWSTMDL ID: VAC-H03R-04Station ID: 2-JMS258.54 (Ambient & 2001 FT/Sed)Total Fecal Coliform - 12/31 Violation RateE. coli - 3/9 Violation RateTotal Phos - 6/37 Violation Rate - Observed EffectPCBs 4 SpeciesTr	JM11
James River	8.2	James River mainstem from Holcomb Rock Dam downstream to Reusens Dam.	WQS: Class III, Section 11h, PWSStation ID: 2-JMS267.47 (2001 FT/Sed)2-JMS270.84 (Ambient)Total Fecal Coliform - 4/21 Violation Rate Observed Effects Total Phosphorus 3/21 Violation RateA Consent Order requires the City of Lynchburg to em	JM07
Judith Creek	10.5	Judith Creek from its headwaters to the confluence with the James River.	WQS: Class III, Section 11h, PWSTMDL ID: VAC-H03R-06Station ID: 2-JTH001.52 (Ambient)E. coli - 3/9 Violation Rate	JM07
Tomahawk Creek	5.9	Tomahawk Creek from its headwaters to its confluence with Burton Creek.	WQS: Class III, Section 11, NoneTMDL ID: VAC-H03R-07Station ID: 2-THK002.33 (Ambient)E. coli - 2/9 Violation Rate	JM10
Williams Run	6.4	Williams Run from its confluence with the James River upstream to its headwaters.	WQS: Class III, Section 11e, NoneTMDL ID: VAC-H03R-08Station ID: 2-WLM002.69 (Ambient) E. coli - 5/9 Violation Rate	JM11
James River	2.6	James River mainstem from the upper watershed boundary at the confluence of Williams Run downstream to the mouth of Archer Creek.	WQS: Class III, Section 11e, NoneTMDL ID: VAC-H03R-04Station ID: 2-JMS258.54 (Ambient & 2001 FT/Sed)Total Fecal Coliform - 12/31 Violation RateE. coli - 3/9 Violation RateTotal Phosphorous - 6/37 Violation Rate - Observed EffectPCBs 4 Sp	JM11

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Opossum Creek	2.9	Opossum Creek mainstem from its mouth on the James River upstream to the Rt. 660 crossing.	WQS: Class III, Section 11e, NoneTMD L ID: VAC-H05R-04Station ID: 2- OPP000.16 (Ambient)Total Fecal Coliform - 3/13 Violation Rate	JM11
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2009 NPDES REGISTRATION STATEMENT
VSMP GENERAL PERMIT REGISTRATION STATEMENT FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE
STORM SEWER SYSTEMS
General Permit No.: VAR040008
City of Lynchburg, Virginia
Item No. 4

As requested in Form No. DCR 199-148, this attachment provides a description of the estimated drainage area in acres served by the regulated small MS4 discharging to any impaired receiving surface waters listed in the most recent Virginia 305(b)/303(d) Water Quality Integrated Report and a description of the land use of each such drainage area

NOTE: The summary tables presented below were developed using the following website:

<http://gisweb.deq.virginia.gov/FactSheets2008/FactSheets.aspx?loc=LYNCHBURG+CITY&style=1>

Land use descriptions and approximate acreages for each watershed listed below was taken directly from : "Bacteria Total Maximum Daily Load Development for the James River Basin"; Submitted by: Department of Environmental Quality; Prepared by: Engineering Concepts, Inc.; Submitted: August 2007

Blackwater Creek

2008 Impaired Waters
 Category 4 & 5 by Location*

James River Basin
 Fact sheet prepared for Lynchburg City
 Cause Group Code: H03R-01-BAC

Location: Blackwater Creek from the confluence of Tomahawk and Burton Creeks to its mouth at the James River.

City/County Lynchburg City

Use(s): Recreation

**Cause(s) /
 VA Category:** Escherichia coli / 5A

**Land Use Description &
 Drainage Area (Acres)** The 6,118 acres in the Blackwater Creek watershed consists of approximately 48% forest, 45% residential/commercial, 6% pasture/cropland, and 1% water/wetland land uses.

Station ID: 2-BKW000.40 4/12 violation rate for e coli, 2-BKW005.95 2/12 violation rate for e coli, 2-BKW007.19 4/12 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-H03R_BKW01A00	Blackwater Creek	Blackwater Creek mainstem from the confluence of Tomahawk and Burton Creeks downstream to the Blackwater Creek confluence on the James River.	5A	Escherichia coli	2006	2010	10.30

Estuary Reservoir River
 (sq. miles) (acres) (miles)

Escherichia coli / 5A

Total impaired size by water type:

Blackwater Creek

Size within: Lynchburg City

Recreation

Sources:

- Combined Sewer Overflows

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Fishing Creek

2008 Impaired Waters
 Category 4 & 5 by Location*

James River Basin
 Fact sheet prepared for Lynchburg City
 Cause Group Code: H03R-02-BAC -

Location: Fishing Creek from its headwaters to the mouth on the James River.

City/County Lynchburg City

Use(s): Recreation

**Cause(s) /
 VA Category:** Escherichia coli / 5A

**Land Use Description &
 Drainage Area (Acres)** The Fishing Creek watershed area of approximately 4,590 acres is comprised of residential/commercial (54%), forest (38%), pasture/cropland (7%), and water/wetland (1%).

Station ID: 2-FSG000.85 5/12 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC- H03R FSG01A00	Fishing Creek	Fishing Creek mainstem from its confluence with the James River upstream to its headwaters.	5A	Escherichia coli	2008	2010	5.44

Escherichia coli / 5A

Total impaired size by water type:

Fishing Creek

**Size within: Lynchburg City
 Recreation**

**Estuary Reservoir River
 (sq. miles) (acres) (miles)**

5.44

Sources:

- Combined Sewer Overflows
- * Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Ivy Creek

2008 Impaired Waters
 Category 4 & 5 by Location*

James River Basin
 Fact sheet prepared for Lynchburg City
 Cause Group Code: H03R-03-BAC -

Location: Ivy Creek from its headwaters to its confluence with Blackwater Creek.

City/County Lynchburg City

Use(s): Recreation

**Cause(s) /
 V/A Category:** Escherichia coli / 5A

Land Use Description & Drainage Area (Acres)

The Ivy Creek (VAC-H03R-03) watershed is approximately 23,946 acres in size and is mainly a forested watershed (about 63%) with pasture/cropland, residential/commercial, and water/wetland comprising 29%, 7%, and 1% of the area, respectively.

Station ID: 2-IVA000.22 3/12 violation rate for e coli, 2-IVA006.38 2/12 violation rate for e coli, 2-IVA012.13 4/21 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-H03R_IVA01A00	Ivy Creek	Ivy Creek mainstem from its headwaters downstream to its confluence with Blackwater Creek.	5A	Escherichia coli	2008	2010	20.80

Escherichia coli / 5A

Total impaired size by water type:

Ivy Creek

Size within: Lynchburg City

Recreation

Sources:

- Combined Sewer Overflows
- Non-Point Source

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

James River
2008 Impaired Waters
Category 4 & 5 by Location*

James River Basin
Fact sheet prepared for Lynchburg City
Cause Group Code: H03R-04-BAC -

Location:	James River from Reusens Dam to its confluence with Archer Creek.
City/County	Amherst Co., Campbell Co., Lynchburg City
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 5A
Land Use Description & Drainage Area (Acres)	The James River (VAC-H03R-04) watershed area is approximately 64,269 acres consisting mainly of forest (74%) and pasture/cropland (16%), with the remaining area is split between residential/commercial (7%) and water/wetland (3%).

Partial Delist - E Coli - 8.18 miles
Station ID: 2-JMS258.54 15/33 violation rate for e coli

(CONTINUED TO NEXT PAGE)

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-H03R JMS01 A00	James River	James River mainstem from the Business Route 29 bridge downstream to the mouth of Williams Run, the watershed boundary.	5A	Escherichi a coli	2008	2010	3.84
VAC-H03R JMS04 A02	James River	James River mainstem from Reusens dam downstream to Business Route 29.	5A	Escherichi a coli	2008	2010	4.11
VAC-H05R JMS04 A00	James River	James River mainstem from the upper watershed boundary at the confluence of Williams Run downstream to the mouth of Archer Creek.	5A	Escherichi a coli	2008	2010	2.58

Estuary Reservoir River
(sq. miles) (acres) (miles)

Escherichia coli / 5A

Total impaired size by water type:

10.53

James River

Size within: Lynchburg City

Recreation

Sources:

- Combined Sewer Overflows
- Non-Point Source

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Burton Creek
 2008 Impaired Waters
 Category 4 & 5 by Location*

James River Basin
 Fact sheet prepared for Lynchburg City
 Cause Group Code: H03R-05-BAC -

Location:	Burton Creek from its headwaters to its confluence with Tomahawk Creek.
City/County	Lynchburg City
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 5A
Land Use Description & Drainage Area (Acres)	The Burton Creek (VAC-H03R-05) watershed area of 6,615 acres is comprised of forest (46%), residential/commercial (39%), pasture/cropland (14%), and water/wetland (1%).

Station ID: 2-BUN001.64 4/12 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-H03R BUN01A06	Burton Creek	Burton Creek from its headwaters to the confluence with Tomahawk Creek.	5A	Escherichia coli	2006	2018	3.45

Escherichia coli / 5A
 Total impaired size by water type:

Burton Creek
Size within: Lynchburg City
Recreation

Sources:

- Source Unknown
- * Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Judith Creek

2008 Impaired Waters
 Category 4 & 5 by Location*

James River Basin
 Fact sheet prepared for Lynchburg City
 Cause Group Code: H03R-06-BAC -

Location: Judith Creek from its headwaters to its mouth on the James River.
City/County Bedford Co., Lynchburg City
Use(s): Recreation
**Cause(s) /
 VA Category:** Escherichia coli / 5A

**Land Use Description &
 Drainage Area (Acres)** The approximately 8,389 acres of the Judith Creek watershed are mostly forested (about 78%) with 15%, 6%, and 1% of the remaining acreage consisting of pasture/ cropland, residential/commercial, and water/wetland land uses, respectively.

Station ID: 2-JTH001.52 5/24 violation rate for e coli, 2-JTH006.53 2/9 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC- H03R JTH01A06	Judith Creek	Judith Creek from its headwaters to the confluence with the James River.	5A	Escherichia coli	2006	2018	10.54

Escherichia coli / 5A
 Total impaired size by water type:

Judith Creek
Size within: Lynchburg City
Recreation

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Tomahawk Creek

2008 Impaired Waters

Category 4 & 5 by Location*

James River Basin

Fact sheet prepared for Lynchburg City

Cause Group Code: H03R-07-BAC - Tomahawk Creek

Location: Tomahawk Creek from its headwaters to its confluence with Burton Creek.

City/County Lynchburg City

Use(s): Recreation

**Cause(s) /
VA Category:** Escherichia coli / 5A

**Land Use Description &
Drainage Area (Acres)** The approximately 5,231 acres of Tomahawk Creek (VAC-H03R-07) watershed consists of 45% forest, 28% residential/commercial, 27%, pasture/cropland, and 1% water/wetland land uses.

Station ID: 2-THK002.33 3/12 violation rate for e coli, 2-THK001.31 4/12 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-H03R THK01A06	Tomahawk Creek	Tomahawk Creek from its headwaters to its confluence with Burton Creek.	5A	Escherichia coli	2006	2018	5.89

Escherichia coli / 5A

Total impaired size by water type:

Tomahawk Creek
Size within: Lynchburg City
Recreation

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Dreaming Creek

2008 Impaired Waters
 Category 4 & 5 by Location*

James River Basin
 Fact sheet prepared for Lynchburg City
 Cause Group Code: H03R-09-BAC -

Location: Dreaming Creek from its headwaters to its mouth on Burton Creek
City/County Lynchburg City
Use(s): Recreation
**Cause(s) /
 VA Category:** Escherichia coli / 5A
**Land Use Description &
 Drainage Area (Acres)** See description for Blackwater Creek in this document.

Station ID: 2-DMG000.58 3/12 violation rate for e coli .

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC- H03R DMG01A08	Dreaming Creek	Dreaming Creek from its headwaters to its mouth on Burton Creek	5A	Escherichia coli	2008	2020	4.69

Escherichia coli / 5A

Total impaired size by water type:

Dreaming Creek
Size within: Lynchburg City
Recreation

Sources:

- Non-Point Source
- * Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Burton Creek, Unnamed Tributary

2008 Impaired Waters

Category 4 & 5 by Location*

James River Basin

Fact sheet prepared for Lynchburg City

Cause Group Code: H03R-10-BAC - Burton Creek, Unnamed Tributary

Location:	Burton Creek, UT from its headwaters to its mouth on Burton Creek
City/County	Lynchburg City
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 5A
Land Use Description & Drainage Area (Acres)	See Burton Creek description above

Station ID: 2-XXA001.43 4/12 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC- H03R XXA01A08	Burton Creek, Unnamed Tributary	Burton Creek, UT from its headwaters to its mouth on Burton Creek.	5A	Escherichia coli	2008	2020	3.43

Escherichia coli / 5A

Total impaired size by water type:

Burton Creek, Unnamed Tributary

Size within: Lynchburg City

Recreation

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

**2009 NPDES REGISTRATION STATEMENT
VSMP GENERAL PERMIT REGISTRATION STATEMENT FOR STORMWATER
DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS**

General Permit No.: VAR040008

City of Lynchburg, Virginia

Item No. 7

As requested in Form No. DCR 199-148, this attachment provides a copy of the MS4 Program Plan that includes:

- a. A list of BMPs that the operator proposes to implement for each of the stormwater minimum control measures and their associated measurable goals pursuant to 4VAC50-60-1240, Section II B; that includes:
 - i. A list of the existing policies, ordinances, schedules, inspection forms, written procedures, and other documents necessary for BMP implementation; and*
 - ii. The individual, department, division, or unit responsible for implementing the BMP;**
 - b. The objective and expected results of each BMP in meeting the measurable goals of the stormwater minimum control measures;*
 - c. The implementation schedule including any interim milestones for the implementation of a proposed new BMP; and.*
 - d. The method that will be utilized to determine the effectiveness of each BMP and the program as a whole.*
-

1. Public Education

- 1.A. Public Newspaper, General Messages:** The City of Lynchburg publishes an information page called *The City Source* in the City's daily newspaper on alternating months. In addition, the City also publishes a newsletter called *Changing Times* for employees each month. We believe that both of these publications are widely read by their respective target audiences and are appropriate media outlets.

The City will use these two publications as its primary means of communicating with the public and City employees, respectively.

- 1.B. Development Community Workshops:** In the previous permit cycle, City staff held two workshops for the development community that were well received. The first workshop was targeted toward the engineering and design community and was very well attended. The second workshop was not quite as successful and was targeted at the contractor community. Both these forums stimulated lively discussion between the targeted community and government officials. The workshops were held at Lynchburg College because of their significant local involvement in stormwater issues. Representatives from surrounding counties and the Department of Environmental Quality also participated.

Based on these previous successes, two additional workshops within the 2007 – 2013 permit cycle should be equally or better received. The development community appreciated the opportunity to hear about the rationale behind the ever-evolving stormwater requirements, and they appreciated the opportunity to express their concerns about the impacts of increased attention to stormwater issues on their operations.

Item No. 7

- 1.C. “Living In Your Watershed” Brochure:** The “Living In Your Watershed” brochure, which is annually distributed to all fourth grade students in the Lynchburg City Schools, has been one of the most successful public education endeavors performed by the City. Teachers and the school administration staff have been very pleased with the brochure and have supplemented it with additional activities such as a scavenger hunt to stimulate student interest.

Based on this success, the program will continue until supplies run out. Current inventory should allow the program to continue thorough the new permit cycle. If supplies do run low, the brochure will be evaluated to see if it needs to be updated. With or without an update the brochure will likely be reprinted unless additional information indicates otherwise.

- 1.D. HHW Publicity:** Annually on the second Saturday of April, June, August, and October, the City sponsors a “Household Hazardous Waste” collection event at the City landfill. The following types of waste are accepted: acids, bases, oven cleaners, aerosols, oxidizers, auto starter oil, base paint, brake fluids, pesticides, batteries, photo chemicals, cleaners, polishes, corrosives, pool chemicals, drain openers, poisons, flammables, solvents, furniture stripper, thinners, herbicides, used motor oil, kerosene, weed killers, lighter fluids, and wood preservatives. This event is publicized in the newspaper and on the City’s web site.
- 1.E. MS4 Permit Publicity:** Previously the texts of the City’s MS4 Permit and Registration Statement and our Annual Reports have not been actively publicized. This information will now be posted on the City’s web site.

2. Public Involvement

- 2.A. Meet With Volunteer Groups:** To generate interest and participation, City staff must be actively recruiting participants. The City has previously participated in local environmental interest groups. This activity will be expanded to use the contacts generated within these groups to recruit participants in stormwater management volunteer activities.
- 2.B. Sponsor Environmental Group Activities:** The City’s has previously sponsored environmental participation activities when approached by the volunteers. This effort will be expanded through recruitment of volunteers, if necessary, to enable the City to participate in or sponsor at least two activities within this permit cycle.
- 2.C. Hotline:** The City has maintained a community ‘hotline’ known as ‘Citizens First’. This single telephone number, 856-CITY, can be used by anyone who is uncertain about where within the City government a particular request or concern should be directed. This telephone number is regularly communicated to citizens through numerous channels including newspaper, brochures, web sites and a wide variety of give away items such as drinking cups, bottle openers, key fobs, etc. This hotline is now also used to direct stormwater management issues to the proper City staff.

3. Illicit Discharge Detection and Elimination (IDDE)

- 3.A. IDDE Program:** The City’s IDDE program has been previously documented and formally submitted to DCR. This program was officially initiated on October 16, 2007. This program will be continued as defined throughout the period of this permit.
- 3.B. IDDE Program Revisions:** The IDDE program as previously defined includes provisions for reassessment and revisions as experience is gained with the program and its enforcement activities. This reassessment will be a continuous process, and adjustments will be made on an as needed basis. Revisions to the IDDE program will be included in this permit’s annual report when such adjustments are made.

Item No. 7

- 3.C. Household Hazardous Waste (HHW) Program:** The City's Household Hazardous Waste Program is described in item # 1.D above. Annual documentation of citizen participation will be used to assess whether current publicity is effective.

4. Construction Sites

- 4.A. Erosion and Sediment Control (ESC) Program:** The City has an Erosion and Sediment Control Program that is run in close coordination with its Stormwater Management (SWM) Program. Development project reviews and construction site inspections are performed concurrently for the two programs.

'Private' vs. 'Public' Administrative Units: Both the ESC and the SWM programs are divided into two administrative units. 'Private' development projects are reviewed and inspected by staff from the Department of Community Development, Planning Division and Neighborhood Services Division. 'Public' projects, along with single-family residential subdivisions, are reviewed and inspected by the Department of Community Development, Engineering Division.

Within these two administrative units, the City has six certified ESC Program Managers, ten certified ESC Inspectors, and four ESC certified Plan Reviewers plus one Professional Engineer who regularly performs ESC plan reviews. Staff members from the 'public' and 'private' units work very closely with each other. Workloads are shifted between them when necessary, consultation between the two units is frequent, and general cooperation between the two units is an everyday occurrence.

- 4.B. Virginia Stormwater Management Permits (VSMP):** The requirement for developers to submit copies of their VSMPs is a standard component of the ESC/SWM project review process. This requirement is always noted in project review comments, and delivery of the permit to City staff usually occurs during the pre-construction conference, which is also a standard component in the development project review and inspection procedure. The pre-construction conference occurs on-site and includes the ESC plan reviewer, the ESC inspector, the Registered Land Disturber, and the project owner/developer.
- 4.C. Monthly Activity Report:** The City has developed and maintains a database of privately maintained stormwater management facilities. This database includes the project name, the type of BMP, the HUC, the receiving water body, and the number of acres treated. All projects are scheduled for annual inspections, so this information is currently not explicitly included as a field in the database. This database is used to generate a monthly report to DCR indicating the number of land disturbing activities and the total acreage of disturbed land.
- 4.D. Intergovernmental Cooperation:** In April 2004, the City of Lynchburg was instrumental in forming the Central Virginia Erosions and Sediment Control Committee (CVESCC). This committee consists of the ESC staffs from the City of Lynchburg, Amherst County, Appomattox County, Bedford County, Campbell County, and the Robert E. Lee Soil and Water Conservation District. Upon initial formation, this committee met monthly for almost a year. Following this formative period, the committee has continued to meet approximately three or four times per year on an 'as needed' basis.

The committee has created some standard submittal formats so projects submitted for review to all participating jurisdictions have similar requirements. Several of the participating jurisdictions have made modifications to their ESC and/or SWM Ordinances to bring individual codes more into compliance with each other.

This organization has been extremely useful to all participating agencies as a forum for the exchange of information, answering technical questions, and helping agencies to deal with situations in a consistent and professional manner. E-mails regarding particular site issues are

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frequently exchanged between all members with responses being generated from whichever members may have the most appropriate information to help any single member address a unique situation. Many of the acquaintances developed within this organization have grown beyond professional relationships into longer-term friendships.

As a vital component in the manner in which the City of Lynchburg conducts its ESC and SWM programs, our continued active participation in this organization is hereby affirmed.

5. Post-Construction

- 5.A. BMP Design Standards:** The development of design standards and the appropriate application of BMPs is as difficult to address in Lynchburg as it is in many other Virginia communities. Staff knowledge and training with the continual evolving technologies of stormwater management is challenging. City staff has implemented the current requirements of the Virginia Stormwater Management Handbook (the blue book) and have developed design guidelines as published in our "BMP Design Manual". However, much work needs to be done. It does not seem efficient for a multitude of municipalities to independently study products and research methodologies when our overall goals are generally aligned.

Consequently, the City of Lynchburg is actively supporting the Virginia Stormwater BMP Clearinghouse Committee. The success of the far-reaching goals of this effort is critical to the future of the stormwater management programs of all Virginia municipalities. If this committee and DCR can not achieve "...a state-of-the-art, statewide-accessible information clearinghouse for application of stormwater BMPs available through a website...", then we as individual and isolated municipalities certainly have no hope of achieving any comparable level of supporting knowledge-base.

One City staff member is currently an active member of this committee and has attended all meetings to date. As our SWM staffing levels mature, we would like to be able to expand this participation to sub-committee participation and serve other roles as needed. We need the product that this committee is striving to create, so whatever we can do to support that effort is multiplied many times over in return for our investment of time and energy.

- 5.B. BMP Maintenance Agreements:** The City has been requiring maintenance agreements from the owners of private development projects for many years. For the past two years, these maintenance agreements have been recorded at the Circuit Courthouse to tie SWM maintenance responsibilities to the property as real estate changes owners. On March 6, 2007 the City began sending notices to property owners who had not submitted proper documentation certifying their maintenance and inspection of their privately owned stormwater management facilities.

Inspections to date have been performed by Department of Community Development ESC staff. Based on an existing Memorandum of Understanding with the Robert E. Lee Soil and Water Conservation District, staff from that organization is expected to begin assistance with this activity. As the inspection program matures and the first annual cycle is completed, the rates of property owner compliance will be added to our annual reports.

The City will keep a record of maintenance agreements along with a history of inspections, annual reports, and City reminders regarding need for inspections and reports.

- 5.C. Low Impact Development:** The methodologies and technologies that support stormwater management are constantly changing. Low impact development has become the latest trend in SWM techniques and is receiving more attention on both a local and a national basis. Since the methodologies are not constant, a willingness to not only accept, but also encourage innovative strategies is almost mandatory for an effective program. The SWM staff at the City of Lynchburg has traditionally been very receptive to innovation.

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The City will continue to support Low Impact Development and encourage innovation as we participate with the rest of the stormwater management community in seeking the tools we all will need to solve current water management problems and addresses additional issues that are sure to arise in the future.

- 5.D. Riparian Buffers and Trails:** Both recreational and water quality benefits accrue from trail systems which follow riparian corridors. The City has plans to expand our already existing system of trails along stream banks. Such programs are of course subject to funding constraints and the ability to react quickly to opportunities as they may arise. Consequently, it is difficult to forecast exactly what may occur in this area over the course of this permit period.

As efforts to expand the existing trail and buffer system succeed, the water quality benefits will be acknowledged and quantified to the extent that technologies allow numerical values to be determined.

- 5.E. Stormwater Management (SWM) Ordinance Enforcement:** One of the primary tools available to the City to achieve stormwater management goals is enforcement of the Stormwater Management Ordinance as revised during the previous permit cycle. As discussed under goal # 4.A above, the City has an Erosion and Sediment Control program that is administered in two separate units designated as 'public' and 'private'. The City's Stormwater Management Ordinance is also administered through the same staff and through the same two administrative units as the ESC program. Project reviews and project inspections for both the ESC and SWM programs are conducted concurrently to the extent that the two programs have almost merged into one. ESC and SWM remain separate only to the extent needed to comply with State regulations and because they are currently described in two separate City ordinances. The two units of the previously described ESC program separating public and private projects also used to administer the SWM program.

There are probably more differences between the two administrative units (public vs. private) than there are between the two programs (ESC vs. SWM). Both public and private projects have been receiving the appropriate technical design reviews. Now the administrative and record keeping aspects are being made more consistent, particularly within the public unit. Previously differences between the manner in which public projects have been addressed are being standardized. The procedural deviations are continually addressed with each project submittal as differences previously ingrained into separate types of projects are discovered and eliminated. This standardization has made significant strides over the duration of the first permit cycle.

6. Good Housekeeping

- 6.A. Ongoing Pollution Prevention Activities:** Many activities of the City government contributed to water quality enhancement prior to the stormwater quality initiatives. Even though these activities were not initiated in response to SWM regulations, many of them still have very significant positive impacts on storm water quality. Sometimes these activities are so standardized, that their impact on water quality has been overlooked. The City will document these activities and any changes to these activities and recognize their contribution to water quality when they are subject to reviews and funding questions. If challenges to these programs arise, their value to stormwater management goals will remain in the decision process.

- 6.B. Herbicides and Pesticides:** Improper handling or application of herbicides and pesticides can be a significant contributor to water quality problems. Since the City regularly uses these products, proper certification of personnel involved in their handling and application is required. All City employees involved in these activities have either a 'Registered Technician' or a 'Commercial Applicator' Pesticide Applicator Certificate as issued by the Department of Agriculture and Consumer Services.

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- 6.C. Staff Training:** For the past two years, the City has been making an annual presentation about the importance of storm water quality to City field employees. This training is held in conjunction with our regular monthly safety-training program. Staff receiving this training includes all field crews in the Department of Public Works, all field crews in the Department of Utilities, and all Fleet Services technical employees.

In addition, the importance of stormwater management is also briefly mentioned during new employee orientation sessions that are attended by every new employee of the City of Lynchburg.

- 6.D. Street Sweeping:** The City's street sweeping program is one of those that existed prior to stormwater quality initiatives. Quantities of waste collected and miles of street swept will be reported.
- 6.E. Department Directors Meeting:** Regular communication with all City employees is critical to keeping storm water quality issues in the minds of City employees. Item 6.C above addresses communication with field and technical staff. These issues must also be regularly considered by Department Directors. To enhance that, a meeting will be held at least once each year between the City's SWM staff and the directors of those departments that have responsibility for activities that most directly influence storm water quality.
- 6.F. Standard Operating Procedures:** During the first permit cycle, the Departments of Public Works and the Department of Utilities developed and published standard operating procedures (SOPs) to cover many of their activities that influence storm water quality. In addition, Fleet Services conducted a review of their procedures and found that existing procedures were appropriate. These procedures will continue in use through this permit period except as modified under goal 6.G below.
- 6.G. SOP Updates:** As experience is gained with the SOPs and as employee-training programs generate observations and suggestions from staff, procedures will be adjusted to increase their applicability and their effectiveness as storm water quality management practices.

BMP MEASURABLE GOALS

1. Public Education

- 1.A.** In PY 1 and 3, publish a stormwater pollution prevention related message in the City's quarterly citizen's newsletter and the City's monthly employee newsletter. **Comm & Mktg; Com Dev**
- 1.B.** In PY 2 and PY 4, hold a workshop with the development community to discuss stormwater quality issues. **Comm & Mktg; Com Dev**
- 1.C.** Annually distribute the "Living In Your Watershed" brochure to all fourth graders in the City School system. Begin to develop a successor brochure for use when current supplies are gone. **Comm & Mktg; Com Dev**
- 1.D.** Four times annually publicize the Household Hazardous Waste collection program. **Comm & Mktg; PW**
- 1.E.** Publish this stormwater permit registration document and stormwater permit annual reports on City web site. **Comm & Mktg; Com Dev**

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2. Public Involvement

- 2.A. Annually meet with at least one public volunteer group to discuss storm water quality volunteer opportunities. **Comm & Mktg; Com Dev**
- 2.B. In PY 2 and PY 4 hold or sponsor at least one volunteer effort focused on stormwater quality improvement. **Comm & Mktg; Com Dev**
- 2.C. Publicize the City's Citizens First hotline phone number as a way for citizens to report suspected illicit discharges to the stormwater system. **Comm & Mktg; Com Dev**

3. Illicit Discharge Detection and Elimination (IDDE)

- 3.A. Continue the IDDE program as previously implemented. **Com Dev**
- 3.B. Use experience gained through annual IDDE inspections to determine if inspection frequencies should be adjusted up or down depending on parameters that are found to be significant. **Com Dev**
- 3.C. Annually document citizen participation in the HHW program and use that data to assess whether current publicity is effective. **PW; Com Dev**

4. Construction Sites

- 4.A. Continue to maintain a consistently rated ESC program. **Com Dev**
- 4.B. Continue collecting copies of Virginia Stormwater Management Permits. **Com Dev**
- 4.C. Monthly, report to DCR the number of regulated land disturbing activities and total disturbed acreage as required. **Com Dev**
- 4.D. Continue to support intergovernmental cooperation by actively participating in the Central Virginia Erosion and Sediment Control Committee. **Com Dev**

5. Post-Construction

- 5.A. Through quarterly participation, support the DCR BMP Clearinghouse Committee's implementation of methodologies to evaluate the various BMPs, and support other appropriate statewide coordination efforts. **Com Dev**
- 5.B. Annually document the rate of property owner compliance with BMP Maintenance Agreements. **Com Dev**
- 5.C. Encourage Low Impact Development for private development projects and City Capital Improvement Projects. **Com Dev**
- 5.D. By the end of PY 4 (June 30, 2012), document the rate of implementation of the trails initiatives and preservation of riparian buffers. **Parks & Rec; Com Dev**
- 5.E. Continue to enforce City Stormwater Management Ordinance and BMP design guidelines on all development projects, including City projects. **Com Dev**

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6. Good Housekeeping

- 6.A.** Annually document ongoing City pollution prevention activities. **PW; Util; Fleet; Fire & EMS; Parks & Rec; Com Dev**
- 6.B.** Annually quantify the certification of City employees who handle and apply herbicides and pesticides. **PW**
- 6.C.** Annually deliver a stormwater quality message to City Public Works, Utilities, and Fleet Maintenance field crews. **PW; Util; Fleet; Comm & Mktg; Com Dev**
- 6.D.** Document the rate of pollutant removal of the ongoing street sweeping program. **PW**
- 6.E.** Annually meet with directors of Public Works, Utilities, and Fleet Maintenance to discuss opportunities for enhancing stormwater pollution control at City facilities. **PW; Util; Fleet; Com Dev**
- 6.F.** Continue to enforce City good housekeeping Standard Operating Procedures at all City facilities. **PW; Util; Fleet; Fire & EMS; Parks & Rec**
- 6.G.** Continue to reevaluate City good housekeeping Standard Operating Procedures at all City facilities. **PW; Util; Fleet; Fire & EMS; Parks & Rec**

BMP RESPONSIBLE PARTIES

Each of the BMPs and measurable goals listed in this Registration Statement is followed by the department or departments that will be responsible for implementing that BMP. The individuals currently responsible for those departments are as follows:

Com Dev

Department of Community Development
Charlene B. Montford, Director

PW

Department of Public Works
David A. Owen, Director

Comm & Mktg

Department of Communications & Marketing
JoAnn B. Martin, Director

Util

Department of Utilities
Timothy A. Mitchell, Director

Fire & EMS

Department of Fire and Emergency Medical
Services
Steven B. Ferguson, Chief

Fleet

Fleet Services
John H. McCorkhill, Director

Parks & Rec

Department of Parks & Recreation
Kay L. Frazier, Director